AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-108. (Cancelled).

109. (New) A method for bypassing a blockage in a coronary vessel, comprising:

creating a channel extending at least partially in a heart wall from a location substantially proximal to the blockage to a location substantially distal to the blockage in the coronary vessel;

advancing a guidewire through the channel;

advancing an implant over the guidewire into the channel; and

positioning the implant such that blood flows through the implant into the coronary vessel distal to the blockage.

110. (New) The method of claim 109, wherein advancing the guidewire includes advancing the guidewire from a pericardial space into the channel.

111. (New) The method of claim 110, wherein advancing the guidewire includes advancing a distal portion of the guidewire from the channel into a pericardial space.

112. (New) The method of claim 109, wherein advancing the guidewire includes advancing the guidewire through an anterior wall of the coronary vessel.

113. (New) The method of claim 109, wherein advancing the guidewire includes advancing the guidewire such that at least part of the guidewire is disposed in a lumen of the coronary vessel at a location substantially distal to the blockage in the coronary vessel.

114. (New) The method of claim 113, wherein advancing the guidewire includes advancing the guidewire such that at least a distal part of the guidewire is disposed in a lumen of the coronary vessel at a location substantially distal to the blockage in the coronary vessel.

115. (New) The method of claim 109, wherein advancing the guidewire includes advancing the guidewire such that at least part of the guidewire is disposed in a heart chamber.

116. (New) The method of claim 115, wherein the heart chamber is a left ventricle.

117. (New) The method of claim 109, wherein advancing the guidewire includes advancing the guidewire such that at least part of the guidewire is disposed in a lumen

of the coronary vessel at a location substantially proximal to the blockage in the coronary vessel.

118. (New) The method of claim 109, wherein advancing the implant includes advancing the implant from a pericardial space into the channel.

119. (New) The method of claim 109, wherein advancing the implant includes advancing the implant such that a first end portion of the implant is disposed in a pericardial space.

120. (New) The method of claim 119, wherein advancing the implant includes advancing the implant such that a second end portion of the implant is disposed in the pericardial space.

121. (New) The method of claim 109, wherein positioning the implant includes positioning the implant such that at least part of the implant is disposed in a lumen of the coronary vessel at a location substantially distal to the blockage in the coronary vessel.

122. (New) The method of claim 121, wherein positioning the implant includes positioning the implant such that a first end of the implant is disposed in the lumen of the coronary vessel at the location substantially distal to the blockage in the coronary vessel.

123. (New) The method of claim 122, wherein positioning the implant includes positioning the implant such that a second end of the implant is disposed in the lumen of the coronary vessel at the location substantially proximal to the blockage in the coronary vessel.

124. (New) The method of claim 122, wherein positioning the implant includes positioning the implant such that a second end of the implant is disposed in a heart chamber.

125. (New) The method of claim 121, wherein positioning the implant includes positioning the implant such that at least part of the implant is disposed in the lumen of the coronary vessel at a location substantially proximal to the blockage in the coronary vessel.

126. (New) The method of claim 121, wherein positioning the implant includes positioning the implant such that at least part of the implant is disposed in a heart chamber.

127. (New) The method of claim 126, wherein positioning the implant includes positioning the implant such that an end of the implant is disposed in a heart chamber.

128. (New) The method of claim 126, wherein the heart chamber is a left ventricle.

129. (New) The method of claim 109, wherein positioning the implant includes positioning the implant such that part of the implant is disposed in a heart chamber.

130. (New) The method of claim 129, wherein positioning the implant includes positioning the implant such that an end of the implant is disposed in a heart chamber.

131. (New) The method of claim 129, wherein the heart chamber is a left ventricle.

132. (New) The method of claim 109, wherein advancing the implant includes advancing the implant through an anterior wall of the coronary vessel.

133. (New) The method of claim 109, wherein positioning the implant includes positioning the implant such that a location in a lumen of the coronary vessel substantially proximal to the blockage in the coronary vessel is in flow communication with a location in the lumen of the coronary vessel substantially distal to the blockage in the coronary vessel via the implant.

134. (New) The method of claim 109, wherein positioning the implant includes positioning the implant such that a heart chamber is in flow communication with a

location in a lumen of the coronary vessel substantially distal to the blockage in the coronary vessel via the implant.

135. (New) The method of claim 134, wherein the heart chamber is a left ventricle.

136. (New) The method of claim 109, wherein the coronary vessel is a coronary artery.

137. (New) The method of claim 109, wherein creating the channel includes inserting a hollow needle through the heart wall.

138. (New) The method of claim 137, wherein inserting the hollow needle includes inserting the hollow needle through an anterior wall of the coronary vessel.

139. (New) The method of claim 137, wherein inserting the hollow needle includes inserting the hollow needle through the anterior wall at a first location substantially proximal to the blockage and at a second location substantially distal to the blockage.

140. (New) The method of claim 137, further comprising closing a puncture in the anterior wall formed by insertion of the needle.

141. (New) The method of claim 137, wherein inserting the hollow needle includes inserting the hollow needle into a heart chamber.

142. (New) The method of claim 137, wherein inserting the hollow needle includes inserting the hollow needle into a pericardial space.

143. (New) The method of claim 109, further comprising removing the guidewire while leaving the implant in place in the heart wall.

144. (New) The method of claim 109, wherein the channel extends completely in the heart wall.

145. (New) The method of claim 109, wherein the channel comprises a first channel section extending from a location substantially proximal to the blockage to a heart chamber and a second channel section extending from a heart chamber to the location substantially distal to the blockage.

146. (New) The method of claim 145, wherein the first channel section extends from a location in the heart wall.

147. (New) The method of claim 145, wherein the second channel section extends to a location in a lumen of the coronary vessel.

148. (New) A method for bypassing a blockage in a coronary vessel, comprising:

advancing a needle through a heart wall and into a portion of the coronary vessel substantially distal to the blockage, the needle having a lumen extending therethrough;

advancing a guidewire through the lumen in the needle;

advancing an implant over the guidewire; and

positioning the implant in the heart wall such that blood flows through the implant and into the coronary vessel distal to the blockage.

149. (New) The method of claim 148, wherein advancing the needle includes advancing the needle into a pericardial space.

150. (New) The method of claim 148, wherein advancing the needle includes advancing the needle through an anterior wall of the coronary vessel.

151. (New) The method of claim 150, wherein advancing the needle includes advancing the needle through the anterior wall at a location substantially proximal to the blockage.

152. (New) The method of claim 150, wherein advancing the needle includes advancing the needle through the anterior wall at a location substantially distal to the blockage.

153. (New) The method of claim 148, wherein advancing the needle includes advancing the needle into a location in a lumen of the coronary vessel substantially proximal to the blockage.

154. (New) The method of claim 148, wherein advancing the needle includes advancing the needle into a location in the heart wall substantially proximal to the blockage.

155. (New) The method of claim 148, wherein advancing the needle includes advancing the needle into a heart chamber.

156. (New) The method of claim 155, wherein the heart chamber is a left ventricle.

157. (New) The method of claim 148, wherein advancing the needle includes advancing the needle into a location in a lumen of the coronary vessel substantially distal to the blockage.

158. (New) The method of claim 148, wherein advancing the needle includes advancing the needle into a location in the heart wall substantially distal to the blockage.

159. (New) The method of claim 148, wherein advancing the needle includes advancing the needle until a distal end of the needle is disposed in a lumen of the coronary vessel at a location substantially distal to the blockage in the coronary vessel.

160. (New) The method of claim 148, wherein advancing the needle includes advancing the needle until a distal end of the needle is disposed in a pericardial space.

161. (New) The method of claim 148, wherein advancing the guidewire includes advancing the guidewire from a pericardial space into the channel.

162. (New) The method of claim 161, wherein advancing the guidewire includes advancing a distal portion of the guidewire into the pericardial space.

163. (New) The method of claim 148, wherein advancing the guidewire includes advancing the guidewire past an anterior wall of the coronary vessel.

164. (New) The method of claim 148, wherein advancing the guidewire includes advancing the guidewire such that at least part of the guidewire is disposed in a lumen of the coronary vessel at a location substantially distal to the blockage in the coronary vessel.

165. (New) The method of claim 164, wherein advancing the guidewire includes advancing the guidewire such that at least a distal part of the guidewire is disposed in a

lumen of the coronary vessel at a location substantially distal to the blockage in the coronary vessel.

166. (New) The method of claim 148, wherein advancing the guidewire includes advancing the guidewire such that at least part of the guidewire is disposed in a heart chamber.

167. (New) The method of claim 166, wherein the heart chamber is a left ventricle.

168. (New) The method of claim 148, wherein advancing the guidewire includes advancing the guidewire such that at least part of the guidewire is disposed in a lumen of the coronary vessel at a location substantially proximal to the blockage in the coronary vessel.

169. (New) The method of claim 148, wherein advancing the implant includes advancing the implant from a pericardial space into the heart wall.

170. (New) The method of claim 148, wherein advancing the implant includes advancing the implant such that a first end portion of the implant is disposed in a pericardial space.

171. (New) The method of claim 170, wherein advancing the implant includes advancing the implant such that a second end portion of the implant is disposed in the pericardial space.

172. (New) The method of claim 148, wherein positioning the implant includes positioning the implant such that at least part of the implant is disposed in a lumen of the coronary vessel at a location substantially distal to the blockage in the coronary vessel.

173. (New) The method of claim 172, wherein positioning the implant includes positioning the implant such that a first end of the implant is disposed in the lumen of the coronary vessel at the location substantially distal to the blockage in the coronary vessel.

174. (New) The method of claim 173, wherein positioning the implant includes positioning the implant such that a second end of the implant is disposed in the lumen of the coronary vessel at the location substantially proximal to the blockage in the coronary vessel.

175. (New) The method of claim 173, wherein positioning the implant includes positioning the implant such that a second end of the implant is disposed in a heart chamber.

176. (New) The method of claim 172, wherein positioning the implant includes positioning the implant such that at least part of the implant is disposed in the lumen of the coronary vessel at a location substantially proximal to the blockage in the coronary vessel.

177. (New) The method of claim 172, wherein positioning the implant includes positioning the implant such that at least part of the implant is disposed in a heart chamber.

178. (New) The method of claim 177, wherein positioning the implant includes positioning the implant such that an end of the implant is disposed in a heart chamber.

179. (New) The method of claim 177, wherein the heart chamber is a left ventricle.

180. (New) The method of claim 148, wherein positioning the implant includes positioning the implant such that part of the implant is disposed in a heart chamber.

181. (New) The method of claim 180, wherein positioning the implant includes positioning the implant such that an end of the implant is disposed in a heart chamber.

182. (New) The method of claim 180, wherein the heart chamber is a left ventricle.

183. (New) The method of claim 148, wherein advancing the implant includes advancing the implant through an anterior wall of the coronary vessel.

184. (New) The method of claim 148, wherein positioning the implant includes positioning the implant such that a lumen of the coronary vessel at a location substantially proximal to the blockage is in flow communication with the lumen of the coronary vessel at a location substantially distal to the blockage via the implant.

185. (New) The method of claim 148, wherein positioning the implant includes positioning the implant such that a heart chamber is in flow communication with a lumen of the coronary vessel at a location substantially distal to the blockage via the implant.

186. (New) The method of claim 148, wherein the coronary vessel is a coronary artery.

187. (New) The method of claim 148, wherein the heart wall surrounds a left ventricle.

188. (New) The method of claim 148, further comprising removing the needle while leaving the guidewire in place.

189. (New) The method of claim 148, further comprising removing the guidewire while leaving the implant in place.